Index of Claims

| App | lication | ո/Con | trol | No. |
|-----|----------|-------|------|-----|

10/519,226

Examiner

Anne Marie M. Boehler

Applicant(s)/Patent under Reexamination

CHIKARAISHI, KAZUO

Art Unit

3611

Rejected Allowed

(Through numeral) Cancelled

Restricted

| N | Non-Elected  |
|---|--------------|
| ı | Interference |

|   | A | Appeal   |
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|           |          |                 |          |  |              |              |  |  |                 |          |              |           | _               |                 |   |                         |          |          |          |          |          |                          |            |              |          |          |                         |          |
|-----------|----------|-----------------|----------|--|--------------|--------------|--|--|-----------------|----------|--------------|-----------|-----------------|-----------------|---|-------------------------|----------|----------|----------|----------|----------|--------------------------|------------|--------------|----------|----------|-------------------------|----------|
| Cla       | aim_     | Ļ               | _        |  |              | Dat          | <u>e_</u>  | _  |                 | ᅵ        | CI           | aim       | _               |                 |   |                         | ate      |          |          |          | _        | CI                       | aim_       | _            |          |          |                         | ate      |
| Final     | Original | 1/2             | <i>y</i> |  |              |              |  |  |                 |          | Final        | Original  |                 |                 |   |                         |          |          |          |          |          | Final                    | Original   |              |          |          |                         |          |
|           | 1        | 1.              | _        | H  | ┼-           | +            | t  | $\vdash$   | +-              | $\dashv$ | -            | 51        | $\vdash$        | H               | $\dashv$  | ᅱ                       | $\dashv$ | 十        | ┪        | $\dashv$ | ┪        | -                        | 101        |              |          | $\dashv$ |                         | +        |
|           | 2        | ٦               | -        | T  | Т            | 1            | İ  |  | T               |          | <u> </u>     | 52        | Т               | П               | 7   | $\dashv$                | $\dashv$ | _        | 1        |          | 1        |                          | 102        | $\vdash$     | Н        | $\dashv$ | $\neg$                  |          |
|           | 3        | -               | -        | Г  | Т            |              |  |  | ऻ               |          |              | 53        | T               | H               | 寸   | _                       | $\neg$   | $\neg$   | $\dashv$ | $\top$   | 1        |                          | 103        | $\vdash$     |          | $\dashv$ | 一                       | $\dashv$ |
|           | 4        |                 | -        |  | П            |              |  |  |                 |          |              | 54        |                 |                 |   |                         |          | 寸        | $\dashv$ | $\top$   | 7        |                          | 104        |              |          |          | $\neg$                  | $\dashv$ |
|           | 5        | 1               |          |  |              |              |  |  |                 |          |              | 55        |                 | П               | $\neg$  | $\neg$                  |          |          | $\neg$   |          | ٦        |                          | 105        |              |          |          |                         | $\top$   |
|           | 6        |                 |          |  |              |              |  |  |                 |          |              | 56        |                 |                 | $\Box$  |                         | $\neg$   | $\Box$   |          | $\Box$   |          |                          | 106        |              |          |          | 一                       | $\neg$   |
|           | 7        | 4               | _        | L  | 丄            | 上            | _  | <u> </u>   | <u> </u>        |          |              | 57        | L               |                 |   |                         |          |          |          |          |          |                          | 107        |              |          |          |                         |          |
|           | 8        | 1               |          | L.   | _            | <u> </u>     |  | L  | L               |          |              | 58        | <u> </u>        |                 | _   | $\perp$                 | _        |          |          |          |          |                          | 108        |              |          |          |                         |          |
| <u></u>   | 9        | ļ.,             | _        | ļ  | _            | ┡            | <u> </u>   | _  | <u> </u>        | _        |              | 59        |                 | Ц               |   | _                       | _        | _        | _        | $\perp$  | ┙        |                          | 109        |              |          |          |                         | $\perp$  |
| <u> </u>  | 10       | _               | <u> </u> | <u> </u>   | _            | ┞-           | <u> </u>   | _  |                 | Ц        |              | 60        | Ь.              |                 | 4   | _                       | _        | 4        | _        | 4        | _        |                          | 110        | $oxed{oxed}$ |          |          |                         | $\bot$   |
|           | 11       | $\vdash$        | _        | <u> </u>   | <u> </u>     | -            | _  | <del> </del>                                     |                 | $\dashv$ | <u> </u>     | 61        |                 | $\dashv$        |   | 4                       | 4        | 4        | _        | 4        | 4        |                          | 111        |              |          |          | _                       |          |
|           | 12       |                 | -        | _  | -            | <del> </del> | -  | -  | _               |          |              | 62        |                 | _               |   |                         |          | 4        | _        | +        | 4        |                          | 112        | _            |          |          | _                       | _        |
| -         | 13<br>14 | _               | <u> </u> | ├-   | ├-           | ┢            | ⊢  | -  | <u> </u>        | _        | <u> </u>     | 63        | _               | $\vdash$        | $\dashv$  |                         | -        | -        | -        | _        | 4        |                          | 113        |              | _        |          | _                       |          |
| -         | 15       | -               | _        | -  | ┝            | $\vdash$     | ├  | ┼  | $\vdash$        | $\dashv$ | <u> </u>     | 64        | _               | -               | -   |                         | -        | -        | +        |          | 4        | $\vdash$                 | 114        | $\square$    | _        |          | -                       | -        |
| -         | 16       | Н               |          | -  | ⊢            | ╁            | ⊢  | ├  | H               | $\dashv$ | -            | 65        | _               | $\vdash$        | $\dashv$  | -                       | $\dashv$ | $\dashv$ | $\dashv$ | -        | 4        |                          | 115        |              | $\vdash$ |          | -                       | -        |
| -         | 17       | Н               | _        | -  | ├            |              | ╢  | ⊢  | -               | $\dashv$ | <u> </u>     | 66<br>67  | -               | $\dashv$        | -+  | $\dashv$                | -+       | $\dashv$ | -+       | +        | $\dashv$ | $\vdash$                 | 116        |              | -        | -        | $\dashv$                | +        |
| -         | 18       | Н               |          | -  | ╁            | ╁╌           | ├  | ⊢  | $\vdash$        | $\dashv$ | $\vdash$     | 68        |                 | $\dashv$        | +   | +                       | -        | $\dashv$ | -+       | +        | -        | <u> </u>                 | 117        |              | -        | $\dashv$ |                         | +        |
|           | 19       | Н               |          | $\vdash$   | ⊢            | ╁            |  | ╁  | $\vdash$        | $\dashv$ |              | 69        | H               | $\dashv$        | $\dashv$  | -                       | $\dashv$ | $\dashv$ | +        |          |          | -                        | 118<br>119 |              |          | -        | $\dashv$                |          |
|           | 20       | Н               | _        | -  | ├-           | ┢            | ⊢  | ╆  |                 | $\dashv$ | <u> </u>     | 70        | Н               |                 | $\dashv$  | $\dashv$                | $\dashv$ | ┰        | $\dashv$ |          | -        | $\vdash$                 | 120        |              |          |          |                         |          |
|           | 21       | Н               | _        | -  | $\vdash$     | ╁╌           | ╁  | $\vdash$   |                 | $\dashv$ | -            | 71        | -               | $\dashv$        | -   | $\dashv$                | $\dashv$ | $\dashv$ | -        | +        |          | -                        | 121        | _            | $\dashv$ |          | -                       |          |
|           | 22       | Н               | _        | -  | -            |              | -  | $\vdash$   | -               | $\dashv$ | -            | 72        | -               | $\dashv$        | -   | $\dashv$                | $\dashv$ | $\dashv$ | -+       | +        | -        | $\vdash$                 | 122        | _            | -        | $\dashv$ | -                       | +        |
|           | 23       | Н               |          | -  | $\vdash$     | 一            | $\vdash$   | ┢  | -               | $\dashv$ |              | 73        | $\vdash$        | $\dashv$        | +   | $\dashv$                | -        | $\dashv$ | $\dashv$ | $\dashv$ | -        | $\vdash$                 | 123        | -            | -        | $\dashv$ | -                       | +        |
|           | 24       | Н               |          | $\vdash$   | ┢            | ╁            | <del>                                     </del> | ┢  | H               | $\dashv$ | ļ            | 74        | $\vdash$        | $\dashv$        | $\dashv$  | +                       | $\dashv$ | $\dashv$ | $\dashv$ | _        | -        | $\vdash$                 | 124        | -            | -        |          | -                       | +        |
|           | 25       | Н               | _        | <del> </del>                                     | 一            | $\vdash$     | -  | ╁  | $\vdash$        | ᅥ        |              | 75        | Н               |                 | $\dashv$  | +                       | $\dashv$ | $\dashv$ | $\dashv$ | -        | -        | $\vdash$                 | 125        |              | -        | $\dashv$ | ┪                       | +        |
|           | 26       | Н               | _        | ┢  | 一            | t            |  | <u> </u>   | $\vdash$        | ᅥ        | -            | 76        | Н               |                 | +   | +                       | +        | $\dashv$ | $\dashv$ | +        | ┪        | Н                        | 126        |              |          | $\dashv$ | $\dashv$                | +        |
|           | 27       | Н               |          | $\vdash$   | $\vdash$     | H            | $\vdash$   | <del>                                     </del> |                 | ᅥ        | -            | 77        | $\vdash$        | $\dashv$        | -   | +                       | _        | ┪        | +        | +        | $\dashv$ | $\vdash$                 | 127        | -            | -        | $\dashv$ | +                       | +        |
|           | 28       | Н               |          | _  |              | Н            | T  | <del>                                     </del> |                 | $\dashv$ | <del> </del> | 78        | H               | $\dashv$        | +   | $\dashv$                | _        | $\dashv$ | $\dashv$ | _        | 1        | $\vdash$                 | 128        |              |          | $\dashv$ | ┪                       | +        |
|           | 29       | П               |          | <del>                                     </del> | ┢            | $\vdash$     | Т  |  |                 | $\neg$   |              | 79        |                 | $\neg \uparrow$ | $\dashv$  | 7                       | 7        | 十        | 十        | +        | ┨        |                          | 129        |              |          | -        | $\dashv$                | +        |
|           | 30       | П               |          |  | Г            | Г            |  | T  |                 |          |              | 80        |                 |                 | $\dashv$  | 7                       | 7        | $\dashv$ | 十        | $\dashv$ | ┨ .      |                          | 130        |              | $\neg$   | $\dashv$ | $\dashv$                | +        |
|           | 31       | П               |          |  | 1            | Г            |  |  |                 |          |              | 81        |                 | $\neg \uparrow$ | $\top$  | $\dashv$                | $\dashv$ | 一        | 十        | $\dashv$ | 1        |                          | 131        |              |          | 7        | $\dashv$                | +        |
|           | 32       | П               |          |  | Г            | Γ            |  | Г  |                 |          |              | 82        |                 |                 | $\neg$  | $\neg$                  | $\neg$   | $\dashv$ | $\top$   | $\dashv$ | 7        |                          | 132        |              |          | 一        | 7                       | $\vdash$ |
|           | 33       |                 |          |  |              |              | L  | $L^{-}$  |                 |          |              | 83        | П               |                 | $\neg$  | $\dashv$                | $\dashv$ |          | 寸        | 7        | ٦        |                          | 133        |              |          | $\dashv$ | 7                       | _        |
|           | 34       |                 |          |  |              |              |  |  |                 |          |              | 84        |                 |                 | $\exists T$                                       |                         |          |          |          | $\top$   | 7        |                          | 134        | $\neg$       |          | $\dashv$ | ヿ                       | 1        |
|           | 35       | $\Box$          |          |  |              |              |  |  |                 |          |              | 85        |                 |                 | $\Box$  |                         |          | $\Box$   | I        | I        | ]        |                          | 135        |              |          |          | $\Box$                  | $\neg$   |
|           | 36       |                 |          | L  |              | $\Box$       |  | $\Box$   |                 | $\Box$   |              | 86        |                 |                 | $oldsymbol{oldsymbol{oldsymbol{oldsymbol{\Box}}}$ |                         |          | $\Box$   | $\Box$   | $\Box$   |          |                          | 136        |              |          |          | _1                      |          |
| $\square$ | 37       | Ш               |          | L  | <u> </u>     | Ш            | L_   | oxdot  | Ш               | $\Box$   |              | 87        |                 | $\Box$          | $\Box$  | $oldsymbol{\mathbb{I}}$ | $\Box$   | $\Box$   | $\Box$   |          |          |                          | 137        |              |          |          |                         | $\Box$   |
| $\sqcup$  | 38       | L.              |          | L_   | _            | L            | <u> </u>   |  | Ш               | $\Box$   |              | 88        | Ш               |                 | _[_   | $\perp$                 | $\perp$  |          | $\perp$  |          | _        |                          | 138        |              |          | $\Box$   | Ι                       |          |
| $\perp$   | 39       |                 |          | <u> </u>   | <b>_</b>     | $\vdash$     | <u> </u>   | _  | LЦ              | $\sqcup$ |              | 89        | Ш               |                 | _   | $\perp$                 | $\perp$  | $\perp$  | $\perp$  |          | _        |                          | 139        |              | _]       | $\Box$   | $oldsymbol{\mathbb{I}}$ |          |
| $\vdash$  | 40       | Ш               |          |  | <u> </u>     |              | Ш  | Ш  | Ш               | _        |              | 90        | Ш               | $\sqcup$        | $\perp$   | 4                       |          | _        | $\perp$  | $\perp$  | _        |                          | 140        |              |          | $\Box$   | $\Box$                  |          |
| $\vdash$  | 41       | $\sqcup$        | _        | <u> </u>   | <u> </u>     | _            | <u> </u>   | _  | Ш               | _        |              | 91        | Ш               | $\sqcup$        | _   | 4                       | _        | $\perp$  |          |          | 4        | $\square$                | 141        |              |          | $\perp$  | $\bot$                  |          |
|           | 42       | dash            |          | <u> </u>   | ├-           | <u> </u>     | <u> </u>   | _  | Ш               | _        |              | 92        | Ш               | $\perp$         | 4   | 4                       | 4        | 4        | 4        | 4        | 4        | $\sqcup$                 | 142        |              |          | $\perp$  | 4                       |          |
|           | 43       | Н               |          |  |              | <u> </u>     | <u> </u>   | -  | Ш               | $\dashv$ |              | 93        | Ш               | $\dashv$        | _   | 4                       | -+       | 4        | 4        | +        | 4        | $\perp \perp \downarrow$ | 143        | _            |          |          | $\dashv$                | $\bot$   |
| $\vdash$  | 44       | $\vdash \dashv$ |          |  | <u> </u>     | <del> </del> | <b> </b>   | $\vdash$   | Ш               | _        |              | 94        | $\vdash$        | $\dashv$        | 4   | 4                       | _        | -        | _        | 4        | 4        | $\square$                | 144        | _            |          | _        | _                       | $\bot$   |
|           | 45       | $\vdash \vdash$ |          | ļ.,  | ├—           | $\vdash$     | <u> </u>   | <u> </u>   | Ш               | $\dashv$ |              | 95        | Н               | -               | -   | 4                       |          | $\dashv$ | $\dashv$ | 4        | 4        | $\vdash$                 | 145        |              | _        | _        | _                       | $\bot$   |
| $\vdash$  | 46       | $\vdash \vdash$ | _        | <u> </u>   | ├            |              |  | H  | Н               | $\dashv$ | -            | 96        | Н               | -               | +   | 4                       | $\dashv$ | +        | -        | 4        | 4        | $\vdash$                 | 146        | _            |          | _        | 4                       | —        |
| $\vdash$  | 47<br>48 | $\mid - \mid$   |          | <u> </u>   | <del> </del> | <del> </del> | -  | ├-   | $\vdash \vdash$ | $\dashv$ |              | 97        | Н               | -+              | $\dashv$  | -+                      | -+       | +        | $\dashv$ | -        | 4        |                          | 147        |              |          |          | 4                       | $\bot$   |
|           | 48       | $\vdash$        | -        | ├  | <del> </del> | -            | -  | $\vdash$   | Н               | $\dashv$ |              | 98        | $\vdash \vdash$ | $\dashv$        | +   | +                       | $\dashv$ | +        | -        | +        | 4        | $\vdash$                 | 148        |              |          | $\dashv$ | 4                       | +        |
| $\vdash$  | 50       | $\vdash$        |          | _  | <del> </del> | $\vdash$     | $\vdash$   | ├  | Н               | $\dashv$ |              | 99<br>100 | $\vdash \vdash$ | -+              | +   | +                       | +        | +        | $\dashv$ |          | 4        | $\vdash$                 | 149        |              | _        |          | 4                       | $\dashv$ |
| ш         | 50       | Ш               |          | Ц.,  |              |              |  |  | ш               |          |              | 100       |                 |                 | 丄   |                         | 丄        |          | $\perp$  | L_       | ┙        | $\sqcup$                 | 150        |              |          | _1       |                         |          |